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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/620,468	07/20/2000	Jenn-Chong Liou	COR 104	3075

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EXAMINER

DUONG, FRANK

ART UNIT	PAPER NUMBER
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2666

DATE MAILED: 08/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/620,468

Applicant(s)

LIOU, JENN-CHORNG

Examiner

Frank Duong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 July 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-53 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-40 is/are allowed.
- 6) ☒ Claim(s) 41-53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

1. This Office Action is a response to the communication dated 7/20/00. Claims 1-53 are pending in the application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 41-53 are rejected under 35 U.S.C. 102(b) as being anticipated by Brederveld et al (USP 5,898,679) (hereinafter "Brederveld").

Regarding **claim 1**, in accordance with Brederveld reference entirety, Brederveld discloses a system (Fig. 1) for accessing public messages with a plurality of wireless devices (110, 120, 122, 123, 150) having a same modulation, format and coding algorithm over a same frequency channel (*note: "same modulation, format and coding algorithm over a same frequency channel" is a preamble of the claim and has not given patentable weight due to it does not breath life or meaning to the body of the claim.* However, should the Applicants, in a response to this Office Action, amend the preamble to give meaning to the limitations in the body of the claim, the Preamble will be rejected with inherency rationale for in a wireless ad hoc network, the devices must have same modulation, format and coding algorithm over a same frequency channel in order to communicate with each other), said system comprising:

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a message source (120) of said a plurality of wireless devices for delivering said public messages (*col. 5, line 34 and thereafter*); and

an original message unit embedded with an ID and a message/status (*address information in header set*) for transmitting said public message (*col. 5, lines 34-35, Brederveld discloses source end-station 120 transmits a message intended for destination end-station 121. At col. 6, lines 64-65, Brederveld further discloses the message has address information in the header set*).

Regarding **claim 42**, in addition to features recited in base claim 41 (see rationales discussed above), Brederveld further discloses wherein said access of public messages is either actively requested by a member device or is freely available to all member devices without request (*at col. 5, lines 35-36 and thereafter, Brederveld further discloses the message reaches MS 121 relaying by MS 122*).

Regarding **claim 43**, in addition to features recited in base claim 42 (see rationales discussed above), Brederveld further discloses wherein said original message unit comprises a relay sequence constantly incremented during a relay process (*col. 5, lines 35-36*).

Regarding **claim 44**, in addition to features recited in base claim 43 (see rationales discussed above), Brederveld further discloses at least a relaying device among of said a plurality of wireless devices for said relay process, wherein said original message unit is received and transmitted voluntarily one by one by said relaying devices (MS 122) until a termination of said relay process (*col. 5, lines 35-36 and col. 6, lines 51-60*).

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Regarding **claim 45**, in addition to features recited in base claim 44 (see rationales discussed above), Brederveld further discloses wherein said termination is executed when said relay sequence reaches a threshold (maximum value) (*col. 6, lines 51-60*).

Regarding **claim 46**, in addition to features recited in base claim 41 (see rationales discussed above), Brederveld further discloses a query message unit transmitted to said message source for requesting (REPEAT) for said public messages (*col. 7, lines 36-47*).

Regarding **claim 47**, in addition to features recited in base claim 46 (see rationales discussed above), Brederveld further discloses wherein said query message unit comprises a request for positioning (*col. 7, line 52 and thereafter*).

Regarding **claim 48**, in accordance with Brederveld entirety, Brederveld discloses a method for accessing public messages (Fig. 1) with a plurality wireless devices (121, 122, 123) having a same modulation, format and coding algorithm over a same frequency channel (*note: "same modulation, format and coding algorithm over a same frequency channel" is a preamble of the claim and has not given patentable weight due to it does not breath life or meaning to the body of the claim. However, should the Applicants, in a response to this Office Action, amend the preamble to give meaning to the limitations in the body of the claim, the Preamble will be rejected with inherency rationale for in a wireless ad hoc network, the devices must have same modulation, format and coding algorithm over a same frequency channel in order to communicate with each other*), said method comprising the step of:

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generating and transmitting an original message unit embedded with an ID and a message/status for transmitting said public messages by a message source (121) among of said a plurality of wireless devices (121, 122, 123) (*col. 4, line 55 to col. 5, line 7 and thereafter*).

Regarding **claim 49**, in addition to features recited in base claim 48 (see rationales discussed above), Brederveld further discloses performing a relay process of receiving and transmitting voluntarily one by one with a message unit by at least a relaying device among of said a plurality of wireless devices for said public messages (*at col. 5, lines 35-36 and thereafter, Brederveld further discloses the message reaches MS 121 relaying by MS 122*), wherein a relay sequence in said message unit is constantly incremented during said relay process (*col. 5, lines 35-36*); and terminating said relay process (*MS 123 or col. 6, lines 51-55*).

Regarding **claim 50**, in addition to features recited in base claim 49 (see rationales discussed above), Brederveld further discloses determining if said relay sequence reaches a threshold (maximum value) for terminating said relay process (*col. 6, lines 51-55*).

Regarding **claim 51**, in addition to features recited in base claim 48 (see rationales discussed above), Brederveld further discloses generating and transmitting a query (REPEAT) message unit to said message source for requesting for said public messages (*col. 7, lines 36-47*).

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Regarding **claim 52**, in addition to features recited in base claim 48 (see rationales discussed above), Brederveld further discloses generating and transmitting a query message unit to said message source for requesting for positioning (*col. 7, line 52 and thereafter*).

Regarding **claim 53**, in addition to features recited in base claim 48 (see rationales discussed above), Brederveld further discloses wherein said message source periodically (*schedule*) generates and transmits an original message unit (*col. 6, lines 56-60*).

Allowable Subject Matter

3. Claims 1-40 are allowed.
4. The following is a statement of reasons for the indication of allowable subject matter:
The prior art of record, considered individually or in combination, fails to fairly show or suggest a claimed method/system, comprising, among other limitations, a novel and unobvious limitation of "*an original message unit in a frame format and embedded with an ID, a message/status and a relay sequence for a relay process of said message generated and transmitted by said message source*", structurally and functionally interconnected with other limitations in a manner as recited in claims 1-40.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Garrabrant et al (USP 5,610,595).

Hughes et al (GB 2,330,733).

Chandler et al (GB 2,342,543).

Burns (EP 0401974).

MacNamee et al (WO 96/22636).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank Duong whose telephone number is (703) 308-5428. The examiner can normally be reached on 7:00AM-3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (703) 308-5463. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Frank Duong
Examiner
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